

Environmental Protection Agency

§ 63.11910

(d) For process changes, you must submit the report specified in § 63.11985(b)(4)(iii).

TESTING AND COMPLIANCE REQUIREMENTS

§ 63.11900 By what date must I conduct initial performance testing and monitoring, establish any applicable operating limits and demonstrate initial compliance with my emission limits and work practice standards?

(a) For existing affected sources, you must establish any applicable operating limits required in § 63.11880 and demonstrate initial compliance with the emission limits and standards specified in Tables 1 and 3 to this subpart, as applicable, no later than 180 days after the compliance date specified in § 63.11875 and according to the applicable provisions in § 63.7(a)(2).

(b) For existing affected sources, you must demonstrate initial compliance with any applicable work practice standards required in § 63.11880 no later than the compliance date specified in § 63.11875 and according to the applicable provisions in § 63.7(a)(2).

(c) For new or reconstructed affected sources, you must establish any applicable operating limits required in § 63.11880, and demonstrate initial compliance with the emission limits and standards specified in Tables 2 and 3 to this subpart, as applicable, no later than 180 days after the effective date of publication of the final rule in the FEDERAL REGISTER or within 180 days after startup of the source, whichever is later, according to § 63.7(a)(2)(ix).

(d) For new and reconstructed affected sources, you must demonstrate initial compliance with any applicable work practice standards required in § 63.11880 no later than the startup date of the affected source or the effective date of publication of the final rule in the FEDERAL REGISTER, whichever is later, and according to the applicable provisions in § 63.7(a)(2).

(e) If you demonstrate initial compliance using a performance test and a force majeure is about to occur, occurs, or has occurred for which you intend to assert a claim of force majeure, then you must follow the procedures in § 63.7(a)(4).

§ 63.11905 When must I conduct subsequent performance testing and monitoring to demonstrate continuous compliance?

Following the date of your initial demonstration of compliance in § 63.11900, you must conduct subsequent performance testing and monitoring to demonstrate continuous compliance with your emission limits, operating limits, and work practice standards according to the procedures and frequency in §§ 63.11910 through 63.11980. If you make a process change as specified in § 63.11896, such that a different emission limit or operating parameter limit applies, you must conduct a performance test according to § 63.11896.

§ 63.11910 What are my initial and continuous compliance requirements for storage vessels?

You must comply with the requirements specified in Table 3 to this subpart for each storage vessel in HAP service.

(a) For each fixed roof storage vessel used to comply with the requirements specified in Table 3 to this subpart, you must meet the requirements in paragraphs (a)(1) through (4) of this section. If you elect to use a fixed roof storage vessel vented to a closed vent system and control device, the closed vent system and control device must meet the requirements in §§ 63.11925 through 63.11950.

(1) *Design requirements.* (i) The fixed roof must be installed in a manner such that there are no visible cracks, holes, gaps, or other open spaces between roof section joints or between the interface of the roof edge and the tank wall.

(ii) Each opening in the fixed roof must be equipped with a closure device designed to operate such that when the closure device is secured in the closed position there are no visible cracks, holes, gaps, or other open spaces in the closure device or between the perimeter of the opening and the closure device.

(2) *Operating requirements.* (i) Except as specified in paragraph (a)(2)(ii) of this section, the fixed roof must be installed with each closure device secured in the closed position.

(ii) Opening of closure devices or removal of the fixed roof is allowed under conditions specified in paragraphs (a)(2)(ii)(A) and (B) of this section.

(A) A closure device may be opened or the roof may be removed when needed to provide access.

(B) A conservation vent that vents to the atmosphere is allowed during normal operations to maintain the tank internal operating pressure within tank design specifications. Normal operating conditions that may require these devices to open are during those times when the internal pressure of the storage vessel is outside the internal pressure operating range for the storage vessel as a result of loading or unloading operations or diurnal ambient temperature fluctuations.

(iii) During periods of planned routine maintenance of a control device, operate the storage vessel in accordance with paragraphs (a)(2)(iii)(A) and (B) of this section. You must keep the records specified in § 63.11990(b)(6).

(A) Do not add material to the storage vessel during periods of planned routine maintenance.

(B) Limit periods of planned routine maintenance for each control device to no more than 360 hours per year (hr/yr).

(3) *Inspection and monitoring requirements.* (i) Visually inspect the fixed roof and its closure devices for defects initially and at least once per calendar year except as specified in paragraph (a)(3)(ii) of this section. Defects include, but are not limited to, visible cracks, holes, or gaps in the roof sections or between the roof and the wall of the storage vessel; broken, cracked or otherwise damaged seals, or gaskets on closure devices; and broken or missing hatches, access covers, caps or other closure devices.

(ii) The inspection requirement specified in paragraph (a)(3)(i) of this section does not apply to parts of the fixed roof that you determine are unsafe to inspect because operating personnel would be exposed to an imminent or potential danger as a consequence of complying with paragraph (a)(3)(i) of this section, provided you comply with the requirements specified in paragraphs (a)(3)(ii)(A) and (B) of this section.

(A) You prepare and maintain at the plant site written documentation that identifies all parts of the fixed roof that are unsafe to inspect and explains why such parts are unsafe to inspect.

(B) You develop and implement a written plan and schedule to conduct inspections the next time alternative storage capacity becomes available and the storage vessel can be emptied or temporarily removed from service, as necessary, to complete the inspection. The required inspections must be performed as frequently as practicable but do not need to be performed more than once per calendar year. You must maintain a copy of the written plan and schedule at the plant site.

(4) *Repair requirements.* (i) Complete repair of a defect as soon as possible, but no later than 45 days after detection. You must comply with the requirements in this paragraph (a)(4)(i) except as provided in paragraph (a)(4)(ii) of this section.

(ii) Repair of a defect may be delayed beyond 45 days if you determine that repair of the defect requires emptying or temporary removal from service of the storage vessel and no alternative storage capacity is available at the site to accept the removed material. In this case, repair the defect the next time alternative storage capacity becomes available and the storage vessel can be emptied or temporarily removed from service.

(b) If you elect to use an internal floating roof storage vessel or external floating roof storage vessel to comply with the requirements specified in Table 3 to this subpart, you must meet all requirements of §§ 63.1060 through 63.1067 of subpart WW of this part for internal floating roof storage vessels or external floating roof storage vessels, as applicable.

(c) For each pressure vessel used to comply with the requirements specified in Table 3 to this subpart, you must meet the requirements in paragraphs (c)(1) through (4) of this section.

(1) Whenever the pressure vessel is in hazardous air pollutants (HAP) service, you must operate the pressure vessel as a closed system that does not vent to the atmosphere, e.g., during filling, emptying and purging. The vent stream during filling, emptying and

purging must meet the requirements of §63.11925(a) and (b).

(2) Each opening in the pressure vessel must be equipped with a closure device designed to operate such that when the closure device is secured in the closed position there are no visible cracks, holes, gaps or other open spaces in the closure device or between the perimeter of the opening and the closure device.

(3) All potential leak interfaces must be monitored annually for leaks using the procedures specified in §63.11915 and you may adjust for background concentration. You must comply with the recordkeeping provisions specified in §63.11990(b)(4) and the reporting provisions specified in §63.11985(a)(1), (b)(1), and (b)(10).

(4) Pressure vessel closure devices must not discharge to the atmosphere. Any such release (e.g., leak) constitutes a violation of this rule. You must submit to the Administrator as part of your compliance report the information specified in §63.11985(b)(10). This report is required even if you elect to follow the procedures specified in §63.11895 to establish an affirmative defense.

§63.11915 What are my compliance requirements for equipment leaks?

For equipment in HAP service (as defined in §63.12005), you must comply with the requirements in paragraphs (a) through (c) of this section.

(a) Requirement for certain equipment in subpart UU of this part. You must comply with §§63.1020 through 63.1025, 63.1027, 63.1029 through 63.1032, and 63.1034 through 63.1039 of subpart UU of this part.

(b) Requirements for pumps, compressors, and agitators. You must meet the requirements of paragraphs (b)(1) and (2) of this section. For each type of equipment specified in paragraphs (b)(1) and (2) of this section, you must also meet the requirements of paragraph (a) of this section.

(1) Rotating pumps. HAP emissions from seals on all rotating pumps in HAP service are to be minimized by either installing sealless pumps, pumps with double mechanical seals or equivalent equipment, or by complying with the requirements of 40 CFR part 63,

subpart UU for rotating pumps. If double mechanical seals are used, emissions from the seals are to be minimized by maintaining the pressure between the two seals so that any leak that occurs is into the pump; by complying with §63.11925(a) and (b); or equivalent equipment or procedures approved by the Administrator.

(2) Reciprocating pumps, rotating compressors, reciprocating compressors and agitators. HAP emissions from seals on all reciprocating pumps, rotating compressors, reciprocating compressors and agitators in HAP service are to be minimized by either installing double mechanical seals or equivalent equipment, or by complying with the requirements of 40 CFR part 63, subpart UU for reciprocating pumps, rotating compressors, reciprocating compressors and/or agitators. If double mechanical seals are used, HAP emissions from the seals are to be minimized by maintaining the pressure between the two seals so that any leak that occurs is into the pump; by complying with §63.11925(a) and (b); or equivalent equipment or procedures approved by the Administrator.

(c) Requirements for pressure relief devices. For pressure relief devices in HAP service, as defined in §63.12005, you must meet the requirements of this paragraph (c) and paragraph (a) of this section, you must comply with the recordkeeping provisions in §63.11990(c), and you must comply with the reporting provisions in §§63.11985(a)(2), (b)(2) and (c)(7).

(1) For pressure relief devices in HAP service that discharge directly to the atmosphere without first meeting the process vent emission limits in Table 1 or 2 to this subpart by routing the discharge to a closed vent system and control device designed and operated in accordance with the requirements in §§63.11925 through 63.11950, you must install, maintain, and operate release indicators as specified in paragraphs (c)(1)(i) and (ii) of this section. Any release to the atmosphere without meeting the process vent emission limits in Table 1 or 2 to this subpart, constitutes a violation of this rule. You must submit the report specified in §63.11985(c)(7), as described in paragraph (c)(1)(iii) of this section.